

THIS MONTH WE SALUTE
 NOFARS - W4IZ/4
 1968 F.D. CHAMPS
 OF THE BIG
 FLORIDA SKIP TROPHY
 (See Photo Below)

~~_____~~
~~_____~~
~~_____~~

FLORIDA SKIP

Vol. 12 No. 3

THE ALL-FLORIDA RADIO AMATEUR'S PUBLICATION

AUGUST 1968

Price 20c

BEBA Report Dr. Miller Agrees To Withdraw

Orlando - Florida's Ham operators donated a muscular communications arm to the Bring 'Em Back Alive program over the July Fourth holiday weekend here.

Working in direct conjunction with Florida AAA, the Florida Highway Patrol, and 150 AM and FM radio stations from Key West to Pensacola, the Hams logged 332 reports. They dealt with weather, road conditions, state park accommoda-

(Continued on Page 11)

(Editors' note: We are sure many of you will be interested in the following report from John Huntoon, W1LVQ, General Manager of ARRL.)

On June 15, 1968, Dr. Donald A. Miller, W9WNV, signed an agreement to withdraw his lawsuit against the League and me, contingent upon ratification of its terms by the Board of Directors and upon action of the Awards Committee to grant

credit for certain of his 1968 DXpedition operations, which had been properly documented and concerning which the Committee had received no unresolved complaints. The matter was submitted to the Directors, per instructions of the Executive Committee, under the terms of Article 6, and as of July 1 more than the required 60% (11 in favor, 5 opposed) of Directors had voted to approve the agreement.

As this matter was originally handled with officers and directors only, at the recommendation of the General Counsel and the instructions of the ARRL President, it is appropriate now to provide a bit of

(Continued on Page 12)

NATIONAL CONVENTION BULLETIN

At deadline time (July 13) plans are well along the way to establish three or more Amateur Radio Public Service Corps stations at key delegation hotels near the national Republican headquarters in Miami Beach during the August convention.

Plans are for operation on the following frequencies: CW - 7073, 14073, 21073 khz; SSB - 7273, 14273, 21273 khz; RTTY 14090 khz. Time of operation will be 1800 to 0200 GMT August 5 thru 10.

The purpose of these stations is to handle written phone patch traffic for the convention delegates and their families.

At the present time we have some operators and equipment. However, more will be needed to do the job properly. If you wish to participate in this most important endeavor, either with equipment or operating time or both, please contact Dick Blasco WA4DHU at 887-1166 for further information and assignment. Time is short!



2,236 QSO's WERE LOGGED BY W4IZ/4 from the Gator Bowl in Jacksonville. The North Florida Amateur Radio Society operated four transmitters - two SSB and a combo rig in the press box . . . and the main CW station in the mobile van in the parking lot. Two generators were used with a third on standby.

- photo by WA4DWR

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ADVERTISING MGR. — Frank Orcutt, W4JO
Special Asst's. — Vance Murr, W4FWI
Dick Blasco, WA4DHU
Box 501, Miami Springs, Fla. 33166

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Dear Mabel XYL Award, c/o Skip,
Box 501, Miami Springs, Fla.

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32034

NETS

FMTN, W4LSR, Orlando
FLAMINGO, W4EDP, Miami
QFN, WA4OHO, St. Pete
TPTN, W4SMK, Ft. Myers
FATT, W4ZAG, Tampa

2/FLORIDA SKIP August 1968

CLUBS

Broward ARC, W4GDK, Ft. Lauderdale
NFARS, K4DSN, Jacksonville
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Floridors, W4LKM, Ft. Laud.
Orlando ARC, W4BKC, Orlando
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Suncoast Roving and Floridors, W-
4BAV, Sarasota
Indian River ARC, W4EWB Gaines-
ville, ARS, WA4SXD.

EX - CALLS

Here are some more Ex-
Calls. Have you sent in yours?
W4QJU ex K8AKQ
WA6DHI ex WB4ETV
W4KOF ex W5IXB
W4ROA ex K9TVA
K4IA ex W4WYJ,
W1ORP, W3EHW
WA4QPR ex KZ5WZ
W4OSN ex W1ITX

-SILENT KEYS-

We are deeply sorry to report
the passing of the following
Florida amateurs:

Al Vanacore, K4LHD, North
Fort Myers.
Adam F. Moranty, K4UJW,
Ormond Beach
John A. Klingensmith, WA4-
FJV, Ormond Beach.
Alfred J. Burton, W4ELQ,
Pompano Beach.
Andy Stough W4PMX, Largo,
Florida.
Raymond K. Vermillion, W4-
JM, Valparaiso, Florida.

Guest Editorial

By Ralph Coady W4BNI

Regarding amateur operating practices, I note that there is a great need for education on this subject including courtesy. A thorough knowledge of procedure and the customs of amateurs working in the various bands is necessary to achieve the highest efficiency in operating. All amateurs, particularly those new to the hobby, are urged to use standard procedure. Such use will serve to make your operating more enjoyable and allow intelligent employment of our frequencies with a minimum of confusion. Standard operating procedure is also a time saver, as you will learn from experience.

A cardinal rule of good operating is to listen carefully for several minutes before you use your transmitter to get an idea of what stations are working. Listening will show whether the spot in the band you have chosen is free of interference or whether another frequency is desirable. It will also show immediately what stations are working in the event you are seeking contact with a particular area. It will, in many cases, prevent you from needlessly interfering with contacts already in progress. Always listen first, then transmit.

Considerable QRM may be eliminated if the ARRL recommended procedures are followed for "Calling Stations" and "The CQ". These recommended practices are greatly abused. I find that with average conditions, if you can hear the QRmer, he can hear you. The worst type is the "Key Sitting Bird" that never uses a dummy antenna for adjusting his transmitter but chooses to have his carrier on the air with the key or mike switch closed. This taxes your blood pressure and your thoughts are not permissible to be changed to words that could be placed on the air.

We also have the "Crosstown Birds" who operate with excess power while separated a short distance and operate for long periods when the band near their operating frequency is crowded. This use of power, above that which is required for short distances, is in direct violation of the FCC regulations. Some of this use of excessive power is brought about by some manufactured equipment that has no provision to reduce the power sufficiently to meet the FCC regulations, thus contributing to the QRM. This is getting to be a real serious problem. What can we do to reduce QRM? First, we can do our part to be not guilty of bad practices, secondly, try to practice and live by the "Amateur's Code." An accidental break-in on a QSO can be handled nicely with a brief apology and then QSY to a clear spot.

If you like DX, look around the band and when you find it, go after it. If you like local contacts and the band is crowded, make your QSOs short. If it gets too lengthy, tell Joe Bloke to give it to you on the land lines and by so doing, you will not be the one to blame for QRM many miles away.

Did you ever consider getting into the VHF area of two and six meters? You can, so to speak, "have a ball." Set up a project to build a rig in these ranges or watch the trade papers where you might pick up a real bargain. Frankly, I am a late comer as far as VHF is concerned and I find that I have really missed the boat by not getting into it years ago. Another plus factor for VHF is that the power requirements are small which is definitely on the economy side. The use of diodes and transistors in the circuitry makes a very fascinating project. The big plus is that you have helped eliminate some of the QRM from the HF bands when you work local. If you have only HF equipment, confine your local contacts to the 40 and 80 meter bands. We will never be able to eliminate QRM. However, by our own efforts we can effect a reduction and by passing word on, others may just catch-on.

Have a good vacation, come back all bright eyed and loaded with ideas and suggestions for future programs. It's your club and we need your attendance and help!

(From T.A.R.C. Bulletin)



Letters To Editor

Editor:

A few evenings ago on 75, I had the pleasure of chatting with a young fellow, whom I have heard on the band for some time, for about two hours. We talked of nothing in particular but just had a fine QSO. Just before we closed I accidentally learned from him that he was totally BLIND!!! Andy this jolted the day-lights out of me because one would never suspect from his conversations and attitude that he was handicapped in such a manner. It almost immediately filled me with pity for me and all the other so-called NORMAL (?) people and also much compassion for those who must be handicapped in this and many other manners.

I could not get him out of my mind and the more I thought about him, the more I thought about other people throughout the state who might be handicapped in one way or another and who might be amateurs or would be amateurs if they could just assemble the gear.

The more I thought of them the more I want to help in some way and so would like to offer my good eyes and hands and meager knowledge to any truly handicapped person, amateur or non-amateur, by offering to assemble any kits or types of gear they may purchase, free of any cost to them.

I would appreciate it if you would make it known via FLA SKIP. I do this as a paid service but want it clear that it will be free to the handicapped.

EARL SPENCER K4FQU
1413 Davis Drive
Ft. Myers, FL. 33901

Dear Editor:

I read with great interest your first installment of "Lightning Facts and Protection" by W4KY in the last issue of FLORIDA SKIP. It was an extremely informative and well written article, and I am interested in reprinting it in KEYSTONE COMMUNICATOR.

Since the article was written exclusively for FLORIDA SKIP I thought it best to secure written permission from you, as editor, before I reprint the first and second articles (with a credit line, of course). I would appreciate that permission.

I always enjoy your publication, although I usually turn green with envy when I compare it with KC. I hope our Pennsylvania bulletin will be as attractive and popular as yours is when we reach our 12th birthday (11 years to go!). You must be congratulated on not only your fine bulletin but your lengthy record as well!

Thank you for sending me a copy of your Routing Guide. This also was very well done. I was quite surprised when I saw how many stations you have in Florida concerned with handling traffic. As you may know, E.Fla. and E.Pa. cannot boast nearly so many stations, unfortunately. It is not uncommon to hear mention made on one of the nets about "beating E.Fla."! If I am not mistaken, E.Pa. did come up with the #1 spot last year.

Thanks also for the tip on Amateur Radio week which you so kindly gave me. I have written to the Governors

Office requesting information about a possible week in this state, but I have received no answer yet. If we do have such a recognition of Amateur's contributions in this state, it is certainly not publicized very well, and if we don't we should! In either case, it sounds like a good project for KC.

Thanks again for your cooperation and I will be looking forward to continuing to receive FLORIDA SKIP.

Douglas W. Struck, WA3CTP
Ed., KEYSTONE COMMUNICATOR

Editor;

Recently I had car trouble between Tavares and Leesburg, and left the car for the garage to send a tow truck for it. During this period several Amateurs passed the car and became quite concerned about me. Some long distance calls were made to my office in Civil Defense, Wildwood to ascertain what was wrong.

Army MARS participants also questioned the situation on their regular Net.

It is with considerable pride that one can count on so many friends being so concerned. One never knows just how many friends one has until some emergency crops up. Most of my friends know that I have had heart trouble in the past, and I deeply appreciate their interest.

As a matter-of-fact, I consider myself to be the wealthiest man in the world. Not wealth of material goods, but wealthy because, to my knowledge, I do not have an enemy in the world, only loyal friends.

Mack G. Britton, W4DVR

AMATEUR CLASSES BEGIN

We have recently been notified that the South Miami Radio Club (K4JVA) will start amateur classes in mid August or the beginning of September. The classes will be held each Friday night from 730 to 930 p.m. at the Kendell Methodist church (across the street from Jefferson Stores on 104th St. S.W. and U.S. 1). Open to all classes.

For more details call in the evening to George Henning WN4JFA, phone 238-2583.

FIELD DAY SCORES

Here are a few early FD scores for 1968. Thanks to all who rushed them in. Next month we hope to have a complete listings.

Manatee Amateur Radio Club	3,614
Biscayne ARC	2,392
North Fla. ARS (W4IZ) ..	14,674
Panama City ARC	10,337
W4OZF/4 (Individual)...	4,007
W4BAW/4 (Individual	
--7 operators)	8,116
South Miami ARC,	
(K4JVA)	900
Dade Radio Club	
(W4NVU)	4,712

Florida State ARRL Convention AT THE AUGUST 17 & 18

3rd annual



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Lightning Facts and Protection

By JACK WAINWRIGHT - W4KY

PART II

We can define a lightning arrester or surge diverter as an over-voltage protection device connected in parallel with equipment. It provides a path of low impedance to do electricity and limits the voltage reaching the equipment. Most arresters are of the gap type. Other types include neon lamps and silicon diodes which are employed as secondary voltage protectors on equipment at receiver antenna terminals to ground. Most neons conduct at eighty volts and silicon diodes at a half a volt. Static drain types are high resistance devices connected from antenna leads to ground. The Blitzbug, commonly used by amateurs on coaxial lines is of the gap type. Another type consists of two carbon blocks separated by a piece of mica with a small hole punched in the mica. It is used on telephone lines and is connected between the line and ground. When a high voltage surge occurs on a line an arc forms thru the mica from one carbon to the other and a discharge is enhanced, protecting the equipment. Inductive surges on lines are frequent and carbons must be cleaned and mica replaced periodically during storm seasons. Direct hits destroy the carbons.

Lightning seeks the path of least resistance to ground. There is no accepted evidence that any form of protection can prevent a lightning stroke. However, experiments have indicated that a high vertical conductor such as a metal mast or tower which is well grounded, will generally divert to itself direct hits that might otherwise strike with a circle area of $2R$, where R - two times the tower height. Some protection can be achieved to low structures in this circle area provided a low impedance ground is connected to the tower. Acceptable ground rods should be a minimum of eight foot in length and a half inch or greater in diameter. They may be made of copper, copper clad steel, or galvanized water pipe three quarters of an inch in diameter or greater. The rods should be driven into the ground as close to the base of the tower or mast

as practical and connected to same with clamps and a #6 to #10 copper or aluminum wire. Copper braid can also be used. Sharp right angle bends should be avoided. It is better to go up on the tower a few feet and angle off to the rod than directly over to the rod at right angles at ground level. Ten foot three quarter inch copper clad steel rods and heavy hinged clamps are available at economical prices from electrical supply houses. Points of clamp contact on the rod and tower should be clean to provide a no resistance path. They should be inspected yearly for rust or corrosion and coated with a suitable grease or metal protector.

Towers mounted in concrete bases are not considered grounded. Concrete is a poor conductor. House waterpipe grounds are generally not acceptable due to the fact that they make long runs and right angles before going into the ground and then often are only a few feet deep in sand before connection to a main or well many feet away. A heavy current from a lightning stroke passing thru them can set up a terrific magnetic field and induce destructive voltages into house wiring and connected equipment. Antennas on wooden towers or poles and antennas mounted on roof tops should have a #4 or larger wire connecting the antenna to a ground rod. The wire should be held off from the structure by insulators and run as direct as possible. Coaxial cables should have their outer conductor grounded to the metal tower or mast. This is usually accomplished thru the boom on most beams. Coaxial cables and rotator cables can be run down the side of a tower or mast, held off by insulators if desired to minimize induction. In any case, both should come down to the base and run under ground before entering the building. Installation of lightning arresters should be outside of the building, usually at the base of the mast or tower. With doublets, long wires, and antennas using open feeders or twin lead, gap type arresters should be installed with a sufficient gap for the power and



ED CALLAWAY W4UQZ & XYL K4HZH of Deland share this neat station. UQZ can be heard nightly QFN on 3651 kc. K4HZH is very active on 2 meter FM. They are working on a 2 meter FM repeater for the Daytona Beach area. (photo by WA4ONZ)

SWR involved. They should be mounted on insulators and connected to a ground rod thru a #4 or greater wire with a minimum of bends. Care should be exercised in the placement of some types of commercially available arresters. There is the possibility of the arrester exploding due to fast expansion of air or moisture inside of the arrester and damage from flying parts to nearby things. If a hit is made on or near the tower or antenna, arresters should be inspected immediately for burning and opening of gaps or other damage and replaced as soon as feasible. On wooden towers and poles, a second arrester should be installed at the top from the antenna to the ground wire.

An effective secondary type arrester may be made by simply forming the coaxial cable, twin lead, and control cables or any leadin with a insulated cover, into a two or three turn coil approximately one foot in diameter and held together with tape. This is called a lightning choke and presents a inductive reactance to a lightning stroke. It should be made on the equipment side of the lightning arrester and a right angle bend in the cable after it will further impede current flow. Do not ground antennas inside of the building. The reasons should be obvious. The feedlines to the antenna whether coaxial, twinlead, or open feeders are better opened by a switch between the equipment and the point of exit. This completely breaks up any direct path to ground.

Reviewing the total protection system for the common metal tower with a beam having one half of the driven grounded to the boom, the coaxial and control cables upon reaching the base go under ground to the building then have a few turns one foot in diameter for a lightning choke. They now enter the building thru a right angle bend. The coaxial cable has a arrester installed at the base of the tower which is connected to ground and is connected to the equipment thru a coaxial switch inside the building to enable it to be disconnected from the equipment during storms. The tower is grounded thru a eight foot or longer ground rod connected by clamps and a #10 or larger copper or aluminum wire with no right angle bends.

We hope to have brought to your attention the mechanics of lightning and the accompanying dangers. Also, the accepted methods and types of protection. Safety inside should be observed during thunderstorms. Do not work on equipment or remain on the air during storms. The induction into power lines and antennas from strokes as much as a mile away can be fatal.

Bibliography

Robberson E., "How to Arrest Lightning," Popular Electronics, May 1955.

Simons J., "Atmospheric Electricity, Lightning," CQ, May 1967.

Hausmann-Slack "Physics," ARRL Handbook.

AUTO INSPECTION FOR AMATEURS

In the July issue we published some info about all Florida amateurs who have call letter tags. FS received several calls from Dade County amateurs saying this rule does not apply to Dade County amateurs. Mac McKechnie W4IKB W. Sec. in Chipley has been attempting to confirm if this is true or not. So far no luck out of Tallahassee. A check with our local Police Department said "they suggest all Dade County amateurs get their cars with amateur tags inspected when the decal say, to be safe." If we get any information from Tallahassee we'll be happy to relay it on, but in the meantime, we'd suggest you get your autos inspected per date on decal.

AROUND THE CIRCUIT

Surprising the favorable reports from so distant points and find how regularly club columns are read. Cathy Soehl, Sarasota . . . Allan and I enjoy news of our Florida Ham friends in this our only contact with hamming now. Will resume operation some day however. Give my regards to my old friends on the FMTN. I think of them. Margaret K4LCD, Asheville, N. C. . . . This is one of the best subscriptions I've ever had and will not be without it. You can quote me. Mabel WA6DHJ ex WB4ETV, Hanford, Calif. . . I like your HAMBAR section. Bought a transceiver and tower thru it. Thanks. W4OJU, Pompano Beach . . . Thanks for all the flowers kids. Editor.



LIVE AND IN LIVING COLOR we have Mr. & Mrs. Hal Shea W4BKC and K4UIZ and W4PAO operating at BEBA Hq in Orlando over the long 4th of July holiday. See BEBA REPORT and Orlando Ramblings for complete details. (BEBA Photo)

The first duty of a man is to speak; that is his chief business in this world; and talk, which is the harmonious speech of two or more, is by far the most accessible of pleasures. It costs nothing in money; it is all profit; it completes our education, rounds and fosters our friendships, and can be enjoyed at any age in almost any state of health.

- Robert Louis Stevenson

That was all before the days of SSB - Onyx



BROWARD ARC, W4AB, OF FT. LAUDERDALE was active during FD. No scores, but it appears they had plenty of equipment and operators on hand. (Photo by W4KY)

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CLUB NEWS

WESTERN FLA. NEWS

By Frank M. Butler, Jr., W4RKH

Pensacola: New officers of the FF-ARA are K4FKV, K4LAN, and K4NMZ. The club took part in F.D. from Santa Rosa Field near Milton. WB4DVM was hospitalized for a week; likewise your SCM. WA4EPH stays active on 15-20m ssb. W4UUF picked up seven new stations on 20m during the great June 20 opening! Milton: K4HOX is building a 5-element 2m vertical collinear.

Fort Walton/Eglin AFB: K4UBR is new Section Route Manager, while W4BVE takes a much needed rest. W4ROOM is the RO aboard USNS Mission San Rafael. The EARS club set up for F.D. at Camp Robbins; WB4GMB, W4FDJ and WB4EQU were the mainstays. W4SMS and W4EUV have incorporated a fully automatic phone patch into the FM repeater. WB4GYX was top QNI in Section for QFN.

Panama City: The PCARC got some fine publicity on TV for their Field Day efforts.

Chipley: W4IKB now has 5 KW of emergency power available. He was recently elected V.P. of Florida Chapter of APCO. Marianna: W4KCA was appointed EC of Jackson County.

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I.R.A.R.C. NEWS

By S. T. Walker, Sr. W4EWB

Vacation was here again and I sure missed a good 2 meter opening. It all started on 146.94 MHz F.M. up in New York, where some club was having a hidden transmitter hunt and were QRM'd by Tom Rudge, W4BWE, and John Anderson, K4GCC, here in Brevard County, Fla. When the boys up in N.Y. heard them coming in, they called a halt to the xmtr hunt to work the DX on 2 meters. Tom, W4BWF worked about 8 stations on 146.94 MHz F.M. in Mich., Ind., Ohio, N.Y., Penn., and Canada using under 50 watts. John, K4GCC, slid down to 145.15 MHz on A.M. and worked 16 stations (14 confirmed) in the above mentioned states and Canada (Toronto Conf.). John used 900 W. and an 8 element beam. This all happened on June 20th and I missed it. Dorsey Dean, W4RIA, worked Penn. and Ill. on his "Handy-Talkie" on 146.94 MHz F.M. with under 5 watts input battery operated.

Field Day was here again and the local gang had a good workout and a lot of fun. No one except Norm, WB4EBH, knew the location of the F.D. site until time to go. Everyone met at 1830Z on Sat. at the Sears in Rockledge and from there the C.D. Van was driven to Merritt Island High School parking lot. A lot of contacts were made on both C.W. and SSB. Trouble did develop at 1 a.m. Sunday morning when the emergency generator oil line developed trouble and smoked the whole place up. But they were back on the "Air" in a record 1 1/2 hour. Congrats gang on a F.B. job. I hope we can report our contact count in the next issue.

On the Fourth of July the I.R.A.R.C. operated a message center on Kiwanis Island Recreation Area in conjunction with the local celebration for

the Fourth. Approximately 100 messages were sent out for overseas and stateside destinations.

FLORIDORA NEWS

By Annette Thompson W4LKM

Floridoras attending the YLRL Convention in Denver report that they had a wonderful time. None of the big prizes came their way, however.

W4BIL - Fran heard a familiar voice during a lunch stop in Ill. - Ellie was handling traffic. Fran in three weeks traveled 6,000 miles and visited 27 states.

WB4FVN - Millie now has her general license. FBI

W4ABMC - Bertha heard some unbelievable openings on 2 meters during June. Michigan and Ohio came through with 5-5 reports.

W4UIZ - Ev has received her certificate for 10 years of continuous membership in YLRL.

K4RNS - Marge has over 900 confirmations for YLCC!

W4LKM - Annette and OM spent several days in Nassau - a relaxing place to go, near home.

W4WPD - Shirley showed great presence of mind in "keeping her cool" when she surprised an intruder at the safe in their office. She went along with his explanation that he had come in to pick up a typewriter. Shirley and Earl are happy that their son is being transferred from N.Y. to the Virgin Islands. He is home for a week in transit. Now they will have a good excuse for a vacation in the islands!

W4UF-Dot will again be an instructor at Camp Albert Butler in the mountains of N.C. August 3-17.

W4BAV - Cathy and OM attended the Country Cousins gathering in Alachua. K4CSC - Edna assisted her OM in getting everyone up for square dancing.

W4GPX - Ruth is in charge of publicity for the recently reorganized Clearwater Amateur Radio Club.

K4RCQ - Elsie and OM have a truck fixed up for camping and plan some hiking in the mountains.

FT. MYERS AMATEUR RADIO CLUB

By Ken W4SMK

This column has not appeared for several months because quite frankly the writer has been busy and until recently the club has not. Things are moving once again with Field Day giving us a bit of a boost. We haven't calculated the score yet, but think we did as well or better than last year. W4LX/4 was set up on the usual river front location during the usual Summer thunderstorms.

We operated two stations on phone and cw with more help on the cw station this year for a change. Thanks to the FD Committee for their work and to all members who turned out to help them.

Sunday, July 21st the club will hold another picnic outing at Judd Park in North Ft. Myers. We had a great time last year and this one promises to be even better. Earl, K4FQU is chief in charge of the BBQ chicken and other arrangements. Come on out.

Lou Persons W4PJG has been suffering with a stubborn virus, but continues to improve now.

Mick W4LNE is operating shipboard style over around India and should be on his way back now. He has been keeping skeds with W4KET,

WA4LKY, W4SMK and others on 20 meters.

We hated to hear the bad news that Al K4LHD had passed on after suffering a heart attack.

Signals from this area should be extra loud these days due to the excellent grounds we have since the rain. Ken WN4HYS had to go buy a 4 wheel drive truck just to get home at night. He and the XYL are floating in a trailer somewhere east of the airport.

Keep up the activities and let me hear about it for Skip. 73

NOFARS

By Howard Kelley, K4DSN

NOFARS is no different than many other ham clubs across the country - Field Day remains the biggest event of the year for this organization. 1968's Field Day with its new rules proved to be quite a challenge for the gang from W4IZ who have year after year been near the top of the scoring list.

Our 2,232 QSO's from four transmitters was something we all took great pride in and will probably find it hard to top in the years ahead. The QTH was again the Gator Bowl pressbox and parking lot. In the race against time to get a station on the air quickly, the CW ops did manage to drop a TH-4 beam and its tower and rotor. That wasn't bad enough; they dropped it on a truck.

Perhaps that explains why the NOFARS July meeting featured an auction (to pay for some of the damages.)

Any Field Day will easily build up a man's appetite, especially after getting up all the antennas and assembling the stations. But, EC John Witherspoon, W4GUJ, got so hungry that he ate the red printed flowers off the paper plates used for the evening meal.

FLA. VHF SIDEBANDERS

By R.D. Ralston - K4LFF

As I mentioned last month about the insurance available for towers, it sure came in handy for me 1 week after taking out the policy, a tornado came through and took part of a tree past the antenna. Well, almost anyway; I am waiting for W4DPH to bring me a new beam now, and in the meantime I talk on Southern Bell.

Had a very nice chat with Charley (WB4EDV) down at Lake Placid the other night, and he hopes to get on SSB in the near future.

Jim (W4DPH) is taking on the dealership for Gain antennas, so we should find out how the "moonbounce" beams work on 6. From all I hear they are real good. From the "Pinellas Park Post" I see that W4ZC has married off his daughter so he can have a larger ham shack. He also lost his antenna to high winds according to the front page story in the "Post."

Guess everyone has insurance on their antennas and towers as I had no response from the mention of the coverage being available last month. Either that or they think they have and haven't read the fine print near the back of the policy that says "no" antenna coverage, without the special endorsement or rider.

Had a very nice chat with W1HDQ at ARRL and was invited to have the VHF SSBers affiliated with ARRL, if we have at least 51% of the group that

are full ARRL members; SO, let me know whether you belong to ARRL as soon as you can.

Quote from May 68 QST: Now that I have my Advanced class license, No lids, no kids, class A operators only. Wonder which channel you have to make WAS on to be a class A operator?

Hope to see you all next month. Keep the letters coming in.

ORLANDO RAMBLINGS

By Hal, W4BKC

A quick inventory of the log reveals that approximately fifty amateurs from around the State of Florida participated in the "Bring 'Em Back Alive" exercise over the July Fourth weekend. This is an excellent showing for an effort that lasted four days - Thurs. thru Sunday. Approximately fourteen hours per day. Hopefully, the info garnered and distributed might have caused a few motorists to go a little slower and avoid some of the hazardous road conditions, and arrived home safely instead of winding up on a slab in the morgue. If one life was saved, the effort of all was well worth while.

Traffic count showed a total of 332, averaging 83 per day. Among the local anchor men and women were Bob, I4ZHN, Jim, WB4DVK, Bill, K4FXF, Jess, W4CLJ who had to leave Friday due to the death of his wife's mother; Herb, W4LSR and his boss Lady Elinor, WA4TIP, Allen, W4UFY, Dick, WA4OFX, Lon, WA4NXV, Jim, W4PAO, Tom, WA4TMC, Bonnie, WB4FSF, Elmer, W4HFR, Ev, K4UIZ, Monty, K4VFX and W4PAO, Tom, WA4TMC, Bonnie, WB4FSF, Elmer, W4HFR, Ev, K4UIZ, Monty, K4VFX and Hal, W4BKC.

Special thanks to Tom, W4FP who held down the fort while we ran out mostly in the rain and changed the clips on the antenna to shift from forty to eighty and back again, anybody got a set of traps they want to donate to a good cause? (Like keeping us guys from getting Pneumonia?) Sure ran into some odd band conditions on forty and eighty Sunday.

Orchids to all you guys and gals who gave of your time and effort, I for one am sure it helped to polish up the Amateur radio image, the only words that come to mind are "Well Done!"

B.A.R.C. NEWS

By Jim Wilson W4GDK

We all are looking forward to another talk and demonstration of equipment by Tom Middleton WB4CKY on monitoring transmissions from the various weather satellites. This should be of extreme interest.

Field Day '68 has come and gone but the 13 operators who carried the ball for BARC are pleased with results. Not only was it a better than average day, the organization paid off with results. Among other things Dana worked one code contact on 6 meters by whistling code in the mike because he had no key. Also for excellent food service we thank Joe and Sylvia Peterra, two of our Associate members.

B.A.R.C. is proud of the new emblem which Ruth Christian WA4HED submitted in a competition and which was officially adopted.

We congratulate both Minnie Levine and Bill Simek. Both passed the General License test.

John Essock WB4GEY points out there are 3 classification types of modern tubes. They are: 1. Appliance type (most common), 2. Commercial, and 3. Military. Best is military but not all tubes generally available in last 2 classifications. The cost will be 25-35% higher in 2 higher classes though more reliable.

Our communication net for the Canoe Race was on a good day and it functioned like a clock. So efficient was it that it earned a commendation from the Mayor of Ft. Lauderdale.

Heard in passing: "I passed my Extra Class. Now I have no incentive."

The Broward Amateur Radio Club will meet at the Broward County Medical Association Bldg., 2200 So. Andrews Ave., Ft. Lauderdale the second Wednesday of each month at 8 P.M. Coffee will be served. Anyone interested in ham radio is invited.

SUNCOAST ROVING REPORTER

By Cathy Soehl - W4BAV/AREA

ATTENTION ALL HAMS: Mark your calendar - August 17 and 18 for the 3rd Annual Platinum Coast Amateur Radio Soc. Hamfest & ARRL Fla. State Convention, at Melbourne. The Melbourne Civic Auditorium will be center of activities on Sat., with a dance scheduled for Sat. night. Then Sunday the 18th, they will have an "old fashion get-together" at Wickham Park and bring your bathing suit.

W4WME-Bill and XYL, W4BIL - Fran Foley returned home July 1st after an extensive trip covering 27 states. They left June 4th, stopping in Biloxi, Miss., to meet their new daughter-in-law before proceeding on to Denver, Colo. to attend the YLRL Convention; after that the "short route" home; i.e. via Ohio, N.Y., Mass. etc.

W4UFR-Earl and W4WPD-Shirley Hill may be making a trip to Virgin Island in the future, as their son-Russell has been transferred down there from Kennedy Airport, N.Y., where he is with the Customs Department.

W4GUG-Carl Forsberg now Advanced Class and W4FPC-"Mac" McSheehy now Extra Class, being among those recently up-grading their license. Congrats, fellows!

W4JPI-Joe Pitzer visited friends and relatives in Indiana, during June and July, after seeing house guest, YV1ZA-Halina Grzesiowski off from Miami, to return to her home in Venezuela. She will return in August for another year of schooling. Hope all enjoy the summer.

W4RQZ-"Sim" Simcox, who has been "grounded" by his doctor for quite a while, is back in circulation

again. Good to see you "Sim" at the SPARC meetings and hope you will keep "top-side" up.

W4BAV-Cathy Soehl flew out to Denver, Colo., June 12th and enjoyed the YLRL Convention. Lots to tell!

FLORIDA SIDEBANDERS ASSOCIATION

By Richard Standofrd, WB4EPD

It all started way back on April 7, 1968, during meeting 419. K4SRI had some unexpected problems arise and we were suddenly and regretfully without his fine secretarial services. When WA4NEV asked for a station with a tape recorder I should have known better ... and then there was W4IAD. He was determined to railroad me in. So now I sit with wrinkled brow, painfully aware of the secretary's toughest job -- getting this column to Andy on time and at the same time keeping it interesting and informative.

There are many ideas roaming around in my mind concerning what should be in your column. I say "your column" because it should be in fact, of, by and for all our members and of interest to all readers of FLORIDA SKIP. I will welcome your comments and suggestions and hope you will keep me well supplied at 105 Hampton Road, Clearwater, Florida, 33515.

By the time you read this our new officers will have gained at least two weeks experience with Bill Pandolf, W4OGX, presiding. Your secretary hopes to have the latest roster and associated papers ready for distribution shortly.

The sympathy of the Association was extended to Chuck Ritchie, W4BUG, recently when his wife, Mary, passed away after a long illness. We were all sorrowed by Chuck's loss. Hope that he will soon be able to join us actively again. Frank Haines, WA4GDS, and M.G. Albritton, K4FQH, have both recently suffered serious heart attacks and we wish them speedy recovery. Understand WA4GDS will be on the air shortly.

The summer slump has set in but we have still managed to average 47.5 checking during June. We continue to grow too. Five are coming up the associate ladder at last count and we average one new member per month. Not a bad rate. With all this activity sure would add some interest to tap the talents of our members and institute a regular system of short informative programs after the business meeting. Maybe we need to add a new office ... would you believe Program Chairman?!! (Sorry, didn't mean to shout.)

Guess there always will be summer

storms at 2200 GMT on Sundays. That's not funny though when you miss your spot in the static crash. Oh well, back to the bottom and strive, strive, strive....73

CLEARWATER ARS

By Ruth Smith, W4GPX

A second meeting of amateur radio operators was held at the home of James Robbins, 2320 Harrison Drive, Dunedin, July 2, for the purpose of re-activating the Clearwater Amateur Radio Society.

Don Street, K4IAZ will be acting president with George LeClara as secretary-treasurer. W4GPX, Ruth Smith is temporary publicity chairman.

The next meeting will be on July 30th at 7:30 at the VFW Hall, 365 Douglas Avenue, Dunedin.

Former members and others who may be interested are most cordially welcome.

GULFSTREAM SOCIETY OF AMATEUR RADIO OPERATORS

By Al Suhr, WB4AID

The "Society," based at Lake Worth, Florida, has so much to report that a sketch outline will be made.

We are out of a call for the time being. Our new trustee, Jim Johnson, W4JBZ, is waiting for his Advanced ticket. Since pertinent information is necessary for completion of Form 610, WB4FPB is off the air until Jim receives the new license.

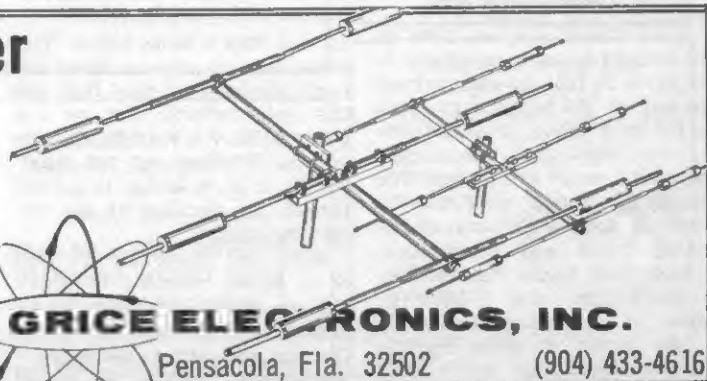
We are pleased to announce two new members. Both have responded to our letter of invitation to membership. Just one year ago, we approached, John Szymanski, WB4AGU - his letter was received in Viet Nam where John was a GI. We were pleasantly surprised to have him appear two weeks ago. He will be leaving soon for Omaha, Nebr. where he will continue to serve with Army Communications. Our second new member is Larry Nurmi, WN4GWL. Larry is a student at Palm Beach Junior College and works full time at RCA in Palm Beach Gardens.

Field Day this year was much different than last. Jim Johnson was Chairman again. As usual his arrangements were FB and superb - it seemed to go easier this year. We were set up at the station location of Mel Wrobbel, K4EBZ - used commercial power this time. Since we

(Continued on Page 8)

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CLUB NEWS

(Continued from Page 7)

needed a call, we were allowed to use the call of Vice President Frank Piverotto, WA4TBM/4 - this was quite big of Frank because it meant that he needed to be present during operating hours.

We operated from 80 meters right on up through 2 meters, on four positions. This, of course, began after we made the antenna farm on Mel's property. Installed a 6 & 2 beam and several dipoles. Operators included WB4AD; WA4TEN; W4JBZ; K4EBZ; W4LFB and WB4AKH. General helper was B. F. Landy, W4OCM. Larry Nurmi, WN4GWL assisted with the logging. All operators were required to man the logs at one time or another.

Jim has not really had time to release the number of contacts, but we think it will be around 400 or so.

Next year will probably find us trying something new again. The most important feature of Field Day is learning how to improvise prior to operation. We seem to have a going concern in this respect. Incidentally, in about fifteen minutes we were packed and ready to leave after the last contact. This outfit can move when it wants to.

The only problem is the short 24 hour day.



DURING THEIR RECENT FLORIDORA Annual meeting in Orlando this fine group of YL and XYL amateurs crowded in for a photo. How many have you worked? Work 10 and get their nice FLORIDORA certificate. Your best chance is after their weekly meeting, Tuesday at 9 a.m. on 3933kc. (Photo via K4UIZ)



By Ray Guy, W4AZ,
President

It is the elite of all formal ham or professional radio clubs, is international in scope, has over 1,000 members in its rapidly growing roster, publishes every two months a superb magazine devoted to its members, their affairs, nostalgia in the sense that it recaptures the exciting events of our youthful experiences, renews old friendships, makes new ones, has many chapters, cooperates in greatly enjoyable conventions of the OOTC, Antique Wireless Association, Quarter Century Wireless Association, etc., requires 40 or more years of experience as a licensed radio op, ham or commercial, or military, automatically makes pre WW1 vets in radio Charter Members, and has no counterpart anywhere in the world.

An OOTC membership certificate on your wall, especially one with the Charter Member medallion, is a mark of distinction. The OOTC is not as widely known as it should be, because its membership is limited to the real pioneers of radio and, until recently, there has never been a well organized and serious effort to enlist new members.

The OOTC is cooperating in a terrific joint meeting in Washington in early October, including several inspections of antique radio gear at the museums, tremendously enjoyable affairs, and a chance to meet up with old buddies, and make new ones. If you are an old hand you should try to make it, by all means.

The Editor of the magazine SPARK GAP TIMES is a lifetime professional publisher and editor, Fred Crowell, W9MIB, and the Executive Secretary is a real vet and owner of a TV station in Corpus Christi, Frank Smith, W5VA. At the Washington affair, by invitation, your Editor will make the presentation of a plaque to an old friend and a great name in radio, who is being honored. Hope you will be there.

Traffic Handlers Routing Guide

We still have an ample supply for the FLORIDA TRAFFIC HANDLERS ROUTING GUIDE. This printed booklet (with heavy yellow cover) has 28 pages, chuck full of information for the traffic man, phone and/or c.w. It's a MUST for those wanting complete info on all Florida Traffic Nets. For only 50¢ you can't go wrong. We pay postage. Recommend it to your friends who may be interested in getting into traffic work. Mention it at your Club meetings. Obtainable from W4ILE or FLORIDA SKIP, P.O. Box 501, Miami Springs, FL. 33166. Send a buck for two. Give one to your XYL so she will know when to fix dinner for you.

HE JUST WOKE UP!

This fellow has not been on 80 meters for several years so he says. In fact, he has not been on any of the bands very much in the past years. As an old timer he says that the cliques he hears on 80 are wrong. The roundtables and nets are in various ways a violation of existing rules and regulations.

Now look Uncle Van Winkle, I don't like what I hear on some of the frequencies nor do I like some of these certificate hangers and nets with squatters rights on a frequen-

This report was written at closing time of operation BEBA Orlando and it appears that at least 330 information bulletins were delivered to AAA via the BEBA network. This July 4 day holiday was a busy one for all amateurs participating in BEBA, particularly W4BKC Hal Shea EC of Orange County and his Lady Evelyn K4UIZ who managed the entire operation at AAA offices in Orlando, assisted by many AREC members of Orange County.

The message traffic fell short of the last BEBA by about 170, I think however, that more official AAA bulletins were originated this year. Bad weather had much to do with the reduced activity and amateur participation as well as the long long holiday and many were far afield. Stations that were not in BEBA and close to or on the op-

cy but that's ham radio. With some quarter million hams and regulations being what they are it's only natural that we are going to have a variety of viewpoints. Whether or not what we do is a violation is a matter to be decided by the enforcing agency.

Sure the bands are in need of a house cleaning but don't get too upset. Things have changed since you were gone. Get on the air a bit more - you'll get conditioned to it!

Onyx

erating frequencies moved off when requested, courtesy reigned supreme.

I can't help recalling the Labor Day BEBA when WA4DED Rev. F.L. Ludwig EC Jackson County, West Fla. participated in such a magnificent manner (FLA. SKIP Oct. 1967) 'Lud' as he was affectionally known to all, became a "Silent Key" recently. He was a most devoted public service minded amateur, gave freely of his time and station, knew and did his work well. Such men are missed long after they have left us and they are hard to find or replace. Without hesitation I can say a job well done on BEBA.

Field day this year was very active, scarcely a KC or Mhz could be found that did not have 2 or 3 stations on the freq. The 20 meter phone band seemed the most active, was in good shape most of the time. All districts being heard with some "crabbing" about CQ FD cluttering up the bands.

A few reports received on ABBY activity. Some areas went all out in setting up, others used the "wait and see" procedure.

Just finished the semi-annual AREC report and sent to ARRL, SCM and SEC E. Fla. Total membership 1220 net loss 1 member. Many new amateurs in Fla. since last December, membership should be increasing. How about it gentlemen?

NAVY



By Jim Wilson W4GDK - NØWCK

In any MARS program the vital importance of training nets is well known. It is thru these, that operators are trained to have net control capabilities and greater individual proficiency in traffic handling.

Along this line, So. Fla. Navmars is proud of its two main training nets: RTTY - 7301 kc-2300 Z M-W-F (7 PM EDST). NØIYC, JDU, and UNW are net controls. They report that as many are checking in as check into the Dist. net. They invite all three Fla. areas to make use of this net with its training and traffic handling potentiality.

CW-7301 kc - Tu-Th-Sat. 2300 Z running about 7-10 wpm. Stations from other areas are checking in so you will be handling traffic as well as learning to use Q signals to give you snappy operation. From the CW training net you can progress to the District CW traffic net which runs about 10-13 wpm on 6970 Kc at 0001 Z nightly (8 PM EDST).

Some fine new members checking into So. Fla. nets include NØKPD, St. Pete; KWR, St. Pete; KEZ, Lake Wales; K-XZ, No. Miami Beach; and LCD Clearwater. We welcome you aboard.

Information has just been released that Jim Cummings NØAPC, St. Pete has just been appointed Editor of the 6th Naval District MARS Bulletin. Congratulations!

N.E. Fla. - Georgia Deman NØGAJ, Area Coordinator, in their current bulletin points out several District practices: 1. Chief Navmars promises that now new applicants to Navy MARS can expect a wait of only 12 or 15 days before final action on their applications and assignment of a call. Computers have accomplished this change. 2. The DNC-8 (Instr.



RICHARD KIDDER, WB4AKH, making the installation of the 6 & 2 meter beam for the Gulfstream Society of Amateur Radio Operators in Lake Worth. (Photo by WB4AID)



NOFARS PRESIDENT HOWARD KELLEY, K4DSN, handles the mike on the 20-meter SSB position while Duval County EC John Witherspoon, W4GUJ, keeps up with the log. This position alone provided 935 Field Day QSO's for W4IZ/4 while operating out of the pressbox of the Gator Bowl. (Photo by WA4DWR)

Red Cross -From Poncho Villa to Viet Nam

Born as a war emergency, Service to Military Families and Veterans is celebrating its 50th birthday nationally, at the same time our Dade County chapter celebrates its 50th locally. A short time prior to World War I, on receiving word that Poncho Villa and his followers had murdered sixteen American engineers in Mexico,

(Book) will now be revised to include such topics as 'The Equipment Program. 3. Equipment - An equipment availability list will be sent by the Director to all area coordinators in the very near future.

Director Earle Crawford says that any member who has traffic is authorized to check into an appropriate net to clear it.

This correspondent will be glad to furnish anyone with further information about the Navy MARS program.

President Wilson called out the National Guard to take action. The Director General of the American Red Cross urged chapters to organize committees to provide needed supplies for soldiers and to give needed assistance to the families of the military, many of whom were left destitute by the sudden departure of their men.

Following World War I the War Department asked Red Cross to assume responsibility for certain services to veterans (many of whom were disabled), upon their return from Europe.

World War II took such a toll that during one year, 6,500,000 families received Red Cross help. Following the war, Red Cross assisted 2,800,000 World War II veterans and their families throughout the United States.

An estimated \$48,000,000 will be allocated for Red Cross

services to the Armed Forces during the fiscal year of 1966-67 an increase of over \$8,000,000 spent for this purpose last year.

In our Dade County chapter, the monthly caseload for Service to Military Families and Veterans has swelled from 527 in January 1966 to 890 in January 1967 and still increases weekly.

From Poncho Villa to Viet Nam is a long way in time. A great deal of money has necessarily been spent by Red Cross over the years to assist military families and veterans. However less tangible but just as necessary has been the continuing tireless effort and the devoted service of our professional and volunteer caseworkers -- the human element. Ask a member of a military family, or a veteran, who has needed Red Cross help -- they will tell you!!!

(from Arc-Light, Miami)



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BENDIX

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NET NEWS

FLORIDA MIDDAY TRAFFIC NET

By Herb, W4LSR

Best news of the month is about Ruby, XYL of Kelley, WA4FJA. Her surgery was a success and she is showing steady improvement. Our prayers are with them for her complete and speedy recovery.

The second annual BEBA exercise sponsored by the AAA was held over the July 4th weekend. Again many members of FMTN had the opportunity to render a public service and to demonstrate their skills in traffic handling.

June and July being the most popular of vacation months, all Nets are reporting lower QNI and FMTN is no exception. A number of our net members are on vacation trips and we wish you all a safe return.

A warm welcome back to Win, WA4COR who has been doing a fine job as acting Net Control, and to Herb, K4DAX and Birch, WA4ATW. Good to hear Randy, WB4FGW check in daily instead of Saturday only. Speaking of our younger set, Bonnie, WB4FSF was overheard inviting other amateurs to play chess via ham radio. And they tell us our teenagers are "going to the dogs." We need more like you, Bonnie and the rest of our younger net members. George, W4MZU is almost ready to unveil his new ham shack and den. After seeing the picture of our Net Manager Clyde, W4SDR in Skip it is easier to understand why so many YL's request informals with him. 40 meters was really mixed up about the 1st week in June. My pipeline

with Dick, K4LEC and Clyde, W4SDR was completely clogged. And Tom, W4FP and Stan, K4BLM were a good 10 db louder than usual. Crazy sun spots!

New recruits for June are W4AB, the CD station in Fort Lauderdale with Dan, WB4CFM at the mike, and Keith, WA4QOO in St. Petersburg.

FMTN held 26 sessions in June. 549 stations handled 299 messages with an average QNI of 21.1 and average QTC of 11.5.

QFN REPORT



By Bob
Blumberg
WA4OHO

Summer activity on QFN is picking up a little. Statistics for June showed that 66 different stations checked-in 514 times and handled 208 pieces of traffic for a rate of .251 messages per minute - up somewhat from last month.

QFN welcomes WA4LJH back from a long vacation. New members include WB4HQX, Dave in Datona, WB4HKM, operator of WA4ECY in Pensacola and WB4HJW, Don in Venice who has been making a fine showing and helping out very much as an RN5 representative.

K4FQP Jim in St. Petersburg Beach has come up with an idea which may have something, if we can carry it out in the right manner. Jim suggests that every city monitor a frequency, say 3670 (as St. Pete does) daily between 8 and 8:30 AM EDT. This is an undirected net for the purpose of making telephone calls to other cities and getting immediate replies. This is something which most traffic nets cannot accomplish quickly and on a regular basis. The frequency would remain quiet except for stations identifying their city or calling CQ such and such a city. Formal traffic may be handled after NET. Jim invites you to write or ARL 7 him concerning his idea.

Hope to hear W4TRS back on the air soon, as well as many other old members. We also invite any station, regardless of code speed, to check-in. The early session meets on 7095 kc/s at 2230 z and the late session meets on 3651 kc/s at 0200Z daily. Summer is a good time to try something new - how about becoming a member of QFN - CU there.

FLAMINGO NET NEWS

By W4EDP

In spite of QRM, QRN, QSB, heat, rain, vacations, bugs, 10% tax increases, and various and assorted other problems the Flamingo Net carries on. All things considered checkins have been very good. Some are a little late, but they are there when you need them.

I don't know whether or not we set a record or not, but on 23 June we had seven skip stations check into the Net and work ten Flamingo Net members each and got a certificate for their trouble. All were from the Eastern seaboard states, and reported strong signals from all the net members. We heard later that our vacationing Gauzens family were listening in to the entire net session and called us several times, but could not connect for a QSO. Seven watts mobile was not quite enough soup to make it, I guess.

Last we heard from the Gauzens they were heading West across New Hampshire towards Niagara Falls. With four children this seems a little late for Niagara Falls, but that is their business! Please be careful folks and get home safely.

Ten meters is wide open nearly every night, these days so get in there and work it.

See you all on the Net on Friday at 7:30 EDST, 29044 kcs. Till then 73. Jim

TROPICAL PHONE TRAFFIC NET

By Ken W4SMK

WB4EPD, Rich from Clearwater, is your new net manager for the coming year. He was elected by a big margin during the regular June election. Please give him your help and cooperation. W4SMK will write the Skip column as usual, so send me your news of interest.

W4BNE Ray in Tampa has joined us as a regular, as has WB4BZO, Bill from Clearwater, WB4HQX, Dave in Daytona, WA4NNB, Vince in Ft. Myers, and WA4RGD, George in Bradenton. Welcome to the roll call.

K4OER, Charley in Debary has left the roll call and we hope he can get back with us this Winter when the time changes. W4DFU is no longer active since the Summer vacation, and in fact Gainesville stations are pretty rare on all nets.

Our deepest sympathy to Chuck W4BUG in Boca Raton after his XYL Mary passed away. She had been quite ill and services were held at Arlington National Cemetery in June.

From what we heard the BEBA net operation was a success once again this year due to the hard work and long hours of the gang at W4BKC in Orlando, and the many other amateurs all over Fla. who helped. Here is a real public service where many people gave up their holiday time to help Bring 'em Back Alive.

Wanted - - Key city representation on every net session of the TPTN. We still are missing Miami and Orlando stations at some sessions. How about some of you EC's making a project of getting a rep from your city on every Fla. traffic net? The little towns are still showing you people in the big cities up on the traffic nets. What sa??

- JOIN -



TOP TWENTY TRAFFIC TAKERS

Each month we are happy to list the top twenty traffic takers in Florida. Next month we hope to see your call here.

1. WA4SCK	BPL	634	11. W4SMK	70
2. K4EHY		279	12. WA4HED	64
3. WA4NEV		219	13. K4LEC	63
4. W4FPC		191	14. WB4DSP	59
5. W4SDR		112	15. W8BZY/4	58
6. W4FP		98	16. W4OGX	54
7. WB4EPD		95	17. K4QCG	51
8. W4UQZ		89	18. WA4OHO	47
9. WB4FLW		79	19. WA4HDH	43
10. K4SJH		78	20. W4DVO	39

TRAFFIC HOUNDS

By Jesse H. Morris, W4MVB

NET	QNI	AV.QNI	QTC	AV.QTC	SES
FMTN	549	21.1	299	11.5	26
TPTN	515	20.6	116	4.6	25
FPTN	451	18.0	113	4.5	25
QFN	514	8.71	208	3.53	59
GATOR	156	5.6	73	2.13	30
FATT	95	3.1	43	1.5	30
WFPN	418	14.0	17	.6	30

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BEBA REPORT

(Continued from Page 1)

tions, and a wide range of activities across the state.

From dawn to late at night, Hal and Evelyn Shea (W4BKC and K4UIZ) manned the central coltrol station in the Orlando AAA office in the Colonial Shopping Plaza.

"We cannot commend highly enough the efforts of the O'Sheas, their Orlando colleagues, and the scores of Hams across the state who contributed to this effort," said Keith Leslie, Miami, who coordinated the program with Hampton Dunn, Tampa.

JOIN



"Information gathered by these operators and relayed to Orlando played an important part in keeping the motorist informed on the conditions he could expect to encounter at his destination."

In referring to the holiday fatality toll, Leslie said:

"We know the reports are being listened to, simply by the avalanche of comment that comes back to us from our

members, friends, and listeners. True, everyone did not come back alive, but literally millions did, and the concerned motorist did listen, that we know."

"We don't believe this means that any of us should give up. If the Florida Highway Patrol decided enforcement wasn't stopping fatalities and the officers collectively threw up their hands, certainly the situation

would not improve by itself," Leslie said.

Leslie said he hopes the upcoming Labor Day BEBA effort will, with the aid of ham radio operators, succeed in reaching the motorists who cause fatal accidents. "We intend to keep trying," he said. "We know how many lives were lost, but we don't know how many were saved. We believe there were many."

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DR. MILLER

(Continued from Page 1)

background on developments which led to the agreement. Much of what follows has been furnished by General Counsel Booth or President Denniston.

From the very outset of the litigation, Special Counsel James J. Brosnahan, of the firm of Cooper, White & Cooper, San Francisco, Edward F. Peck, K6AN, as Co-Counsel and General Counsel Booth shared the view that the taking of Dr. Miller's deposition at the earliest possible moment was most desirable to acquaint his attorneys fully with the true facts concerning certain of his DXpeditions and his representations to the Awards Committee and the Directors. They believed the possibility was great that the litigation would be terminated by Dr. Miller once certain basic facts were known to all interested parties.

The taking of Dr. Miller's deposition was begun on Tuesday, June 11, in Hartford, and continued for the better part of three days. Some of the facts developed by Mr. Brosnahan's questioning were as follows:

Dr. Miller's passport, necessary to establish many of the all-important dates of his entries into and exits from various countries disappeared and presumably was lost in February of this year, shortly before filing of the suit; records and files concerning details of many of the DXpeditions were stored in the trunk of Dr. Miller's automobile, which was reported stolen from the New York area in July or August of last year and never had been recovered; financial records of contributions for his DXpeditions prior to early 1967 are in the possession of the World Radio Propagation Study Association and were not available to Dr. Miller; he ad-

mitted the operation under the call PYØXA, claimed to have been from St. Peter & Paul's Rocks, actually took place from a boat some 1,800 miles northwest of the Rocks and within sight of the coast of Venezuela and one of the Caribbean Islands, presumably Trinidad; pictures submitted by Dr. Miller which he represented were of the Rocks were of other areas or locations in the Caribbean; the name of the boat used for that operation, the "Pussy Galore," was a "nickname" given by either Dr. Miller or Herbert Kline, K1IMP, who accompanied Dr. Miller on that "expedition"; many of the statements concerning the Rocks by all of the Directors on May 4, 1967, were not true; and he could remember few, if any, specific details of any of the alleged trips during 1966 and 1967 to Chagos (VQ9AA/C), Laccadive Islands (VU2WNV), Blenheim Reef (1B9WNV), and Heard Island (VK2ADY/Ø), and had no travel and expense records available to support his accounts of those "expeditions." Dr. Miller's explanations in an attempt to justify the St. Peter & Paul's Rocks episode and many of his other actions were, in the opinion of the League's counsel, most unconvincing - and, at times, incredible.

The attorneys had previously agreed that only three days would be devoted at this time to Dr. Miller's deposition, that my deposition would be taken by Dr. Miller's attorney during the following three days, and Mr. Kline's deposition would be taken by the League in the Boston area on Monday, June 17. Accordingly, Dr. Miller's deposition was suspended after three days to be continued at a later date, and mine was begun on Friday, June 14.

According to our counsel, few, if any, facts adverse to the League were developed dur-

ing my deposition. It was established that complaints concerning Dr. Miller's DXpeditions were carefully investigated and thoroughly considered by the Awards Committee. In our council's opinion, not one fact was developed to support Dr. Miller's claim that I rather than the Awards Committee had made the decisions, that I displayed any malice towards Dr. Miller, or had called or termed Dr. Miller a "liar and a cheat."

Although some indications of a desire to reach a settlement appeared during the taking of Dr. Miller's deposition, specific proposals warranting careful considerations were not forthcoming until the end of the first day of my deposition. At the very outset of the settlement discussions - the word "settlement" is used in its broadest sense and should not be construed as evidencing any weakness by the League - it was made clear that not one dime would be paid to Dr. Miller to withdraw or dismiss his suit. Any and all suggestions of any payments by the League to Dr. Miller were summarily rejected.

Basically, the agreement provides that, upon its approval by the League's Board of Directors, Dr. Miller shall dismiss his suit against both the League and me, and forfeits any right to file that or any similar suit in any court anywhere in the United States.

As concerns the 1968 DXpeditions of Dr. Miller, the Awards Committee had earlier been supplied with complete documentation by Dr. Miller, and had no unresolved complaints against any of those operations. It had, however, held up release of a decision because of complications caused through institution of the lawsuit.

President Denniston called a special meeting of the Executive Committee in Chicago to

hear counsel's report and discuss the agreement. During the meeting, Mr. Brosnahan was asked why the League should enter into any agreement, in light of the most favorable facts developed to date, rather than sit tight with the hope that Dr. Miller will become discouraged and give up the case. He based his very strong recommendation that the agreement be approved upon the following considerations: trial of the case would probably take at least a month, would have to be preceded by many more depositions in various parts of the United States and possibly overseas, and would be most expensive, perhaps involving additional expenditures up to \$35,000 and possibly even \$50,000; trial of a case before a jury always involves considerable uncertainty and risk because of the unknown jury, and there always would be some possibility of a judgement for Dr. Miller; although the arrangements are such that the case could be prosecuted with relatively little expense to Dr. Miller and, therefore, the possibility of a voluntary dismissal or loss of desire to prosecute would be remote; and even if a judgement in the League's favor would be obtained after trial, the publicity to the League would be no more favorable than can be realized from the present agreement. Mr. Brosnahan most strongly recommended the agreement be approved. General Counsel Booth shared his views.

After extensive discussion, the Executive Committee referred the matter to the Board of Directors for a mail vote, with its strong recommendation for approval. As stated earlier, the Board's decision was favorable. Thus the agreement is now in effect and the lawsuit should shortly be terminated.

I personally regard this outcome a decisive victory for the League, its officers, and employees. It is indeed unfortunate that the League has been put to such unreasonable expense and some of its officers and employees subjected to such abuse. However, as our attorneys have said, "anyone can sue anyone else for almost any reason, and the party sued has no alternative but to defend."

A brief item on this subject will appear in August QST "League Lines," and a more complete story in a later issue.

John Huntoon
W1LQV Gen. Mgr.

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Each month you will find the following listings. Keep it handy. ARRL Officials are listed free. Florida Nets are listed free upon notification from net manager. Clubs listed for \$12.00 per year. (Free to clubs taking box ads elsewhere.) Any individual amateur may be listed for \$5.00 a year. (The ones who really care.) Let's fill up this page!

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Director, S.E. Division
CHARLES BOLVIN W4LVV
2210 S.W. 27th Lane
Miami, Florida 33133

Vice Director, S.E. Div.
A.L. HAMEL, K4SJH
220 N.E. 25th Street
Pompano Beach, Fla. 33064

SCM E. Florida
JESSE MORRIS, W4MVB
P.O. Box 1241
Jacksonville Beach
Florida 32051

SCM West Florida
FRANK M. BUTLER, Jr. W4RKH
323 Elliott Rd., S.E.
Ft. Walton Beach, Fla. 32548

SEC East Florida
ANDY CLARK, W4IYT
41 Lenape Drive
Miami Springs, Fla. 33166

SEC West Florida
G.D. McKECHNIE, W4IKB
1000 N. 6th Street
Chipley, Florida 32428

Asst. SEC East Florida
TOM CHISHOLM, W4FP
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Lakeland, Florida 33803

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FSBEN Thursday
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KNIGHTS OF KILOCYCLE,
Sundays
1100Z on 3910 kc.

GATOR NET (GN)
Daily 1230 on 3651 kc
and 1630 on 7115 kc
Net Manager: K4COO

SATN South Atlantic Traffic Net
Mon.—Sat. at 0230z on 3945 kc.
Net Manager: WB4DSP

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Net Manager: WB4EDP

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Net Manager: WA4NBE

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Mgr: WA4CIQ

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Regards to all our friends.

W4/K4 QSL Bureau Report

The following material was taken from a letter from Pat Parrish, K4HXF (ARRL W4/K4 BUREAU MANAGER) to W4-BYB. There were several points made concerning procedures in dealing with the bureau, that have not been previously published.

WHAT SHOULD YOU SEND?
Pat does not insist on any par-

ticular method of your providing envelopes or postage. The important point is that you provide some means of keeping your cards cleared. Either #50 (5-1/2x8) or #10 (Standard Business) envelopes are satisfactory, dependent on your card quantities. You may address and stamp the envelopes yourself; or provide loose stamps or cash for stamps to be attached to your self addressed envelopes by the bureau; or send \$1 or multiples with which Pat will obtain, address, and stamp the envelopes for (15¢ per envelope with 6¢ stamp.) The method you use should depend on your individual situation. Probably, the best general approach is to provide self addressed envelopes and sufficient cash or loose stamps to assure you have credit on the books.

CURRENT PROBLEMS. The Post Office through which the bureau operates, in accordance with PO regulations, will not permit postage due envelopes to pass in bulk mailings! Hence, if cards are to be mailed, the bureau must attach the correct postage when necessary, and in turn request reimbursement. So many people have ignored this request, the bureau is over \$40 in the hole! In addition, to clear the dead-file, Pat has prepared envelopes and mailed cards to about 1000 fellows. Only 43% have returned the expense involved. This isn't very impressive, is it? Strict books are kept on everyone's credits and deficits for the benefit of all concerned.

THANKS TO PAT! For the past seven months we have had monthly mailings from the bureau without fail. Pat certainly deserves a hearty THANK YOU for his efforts and patience.

Why not, at your next club meeting take along a handful of envelopes and stamps and see that your group is supporting our bureau! Perhaps, your non-club friend needs a reminder too! W4BYB

CLUB LISTING

DADE RADIO CLUB, INC.
(W4NVU) 1st & 3rd Tuesday,
Museum of Science
3280 So. Miami Avenue
Miami, Florida
Mailing address: P.O. Box 73
Biscayne Annex
Miami, Florida 33152

NORTH FLORIDA AMATEUR
RADIO SOCIETY W4IZ
2nd Thursday, 7:30 P.M.
Duval CD Headquarters
107 Market Street
Jacksonville, Fla. 32202

ST. PETERSBURG AMATEUR
RADIO CLUB, Inc. W4GAC
Meetings: 1st Friday
FPC Lineman's Assembly Hall,
25th St. & 25th Ave., N.
Mailing Address: P.O. Box 4026
For information phone:
544-1856 or 526-6731

ORLANDO AMATEUR RADIO
CLUB, INC. — W4PLB
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Red Cross Bldg., Central & Bumby
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Orlando, Fla. 32809
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on Ave., Tampa, Fla. 33603

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J.R. Baker, W4LR,
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By AFB4JTK / AFC4BND

The phone patch traffic has slowed down a bit due to summer months. The regular message type traffic seems to be holding up and we passed more than 9,000 in the last few months. With the coming of summer the net activity may slow down a bit but the members still check in with regularity.

We have good news for those who have handled the "PHIL" messages. Phil has been discharged from the hospital in California. He was completely paralyzed from the neck down last November and many of us handled messages from California to the Southeast Florida area. As you would justly have it AF MARS handled more than 300 messages from California (AFB6CFQ) to both the greater Miami area and Winterhaven which AFC4DLT handled mostly. The thanks we have received from the relatives of Phil was all we needed to prove the use of the U.S. AF MARS nets. The Florida newsletter has further details and all Florida members will receive theirs as you read this column.

The combined VHF nets of South Florida held another meeting at The Sweden House on July 19th. We are told that many of the 6 meter boys as well as 2 meter and base support members will also attend with their families.

We were informed that Ken Wilde, AF4KIS will enter an Air Force general hospital soon. Get well soon Ken.

Please inform us if you have any type of information that the readers of this column would like to know.

The new frequency, 4599.5 seems to be working out pretty well so far. The checkins are a lot scarcer though. Don't know why. If I and others can get on that frequency why not more? We can't get the traffic out if we don't check in.

Show this column to your non-MARS friends. They may like it as much as we do.

**BE A GOOD GUY!
JOIN UP WITH
AREC IN YOUR
COUNTY**

14/FLORIDA SKIP August 1968

Dear Mabel;

I haven't written for quite a while because Homer and I have been away on a trip. We drove through several states and kept making unexpected stops at the houses of hams he has talked with. Some business venture of his having to do with eyeballs. I don't fully understand it. Perhaps he thinks he can sell glasses on the side . . . glasses to see out of, I mean.

Goodness knows, what with this new gleam in his eye at the mention of SSB, he'd better do something on the side. You know, Mabel, I don't think that Chattahoochee did him any good at all, since he was FORCED to associate there with those SSB'ers. (Silly group of letters, isn't it?)

In fact, I think myself that it set him back years. He's taken to wearing a file in one show and a small screwdriver in the other one. And he looks all around him now before he says anything into the mike. He says you never can tell who's listening.

I've always thought the trouble was that not enough people listened. Otherwise, why would he always be calling CQ hour after hour so much of the time with no answers, if enough people listened?

Love, Gladys

HAMBAR

HAMBAR services of radio equipment ONLY will be available to all our subscribers, amateurs or non-amateur, at a donation rate of 25¢ or more for ten (10) lines and 5¢ a word thereafter. There are approximately seven words to a line. Space permits only one ad per month please.

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DRAKE, yes we have the complete line come to ARC, Miami, phone 374-4101.

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sealed cartons. General Electric credit available on all purchases of new or used equipment. 10% or trade in down. Collins 75-S1 \$255, KWS-1 \$375, 516E1-12 V-DC, \$125, 516E2 28 V DC \$99, 75-A-4 #3162 \$335, KWM-2 & 516-F2 (2 months new) \$850, KWM-2, Waters Q, & 516F2 \$795. National NC-183D & cal. \$125, NCX-5 MK II & AC \$475, NC-303 \$189, NC-270 \$95, Central Electronics 200 V \$375, Swan 350 (late) \$285, Drake DC-3 (DC) \$85. B & W 5100 & 51SB \$115. Hallicrafters SX-110 \$89. SX-130 \$145, SX-99 \$89, HT-37 demonstrated, as is, \$125, S-120 \$49, SR-500 & AC \$195, SX-115 \$349, SX-146, 3 filters, xtal cal. \$185. Drake T4X \$265. Multi-Elmac AF-68A & M1070 AC-DC \$115. Linear Systems 250-12VDC \$45. Heath HA-10 Warrior linear W/572B's \$135. Pawnee HW-20 (2 mtr) \$135, SB-200 \$195, Conset G-76 & AC \$99, G-63 \$75, Knight TR-106 & V107 VFO (6 mtr) \$119. Sprague KT-1 Capacitor checker \$15. Concord MTC-12 TV camera \$145. Utica 850 & VFO \$99.95, Lafayette HE-45B \$59. Singer ESD Electrostatic AC/DC Volt meter, brand new, 0-100V \$125, Clegg 22er (2 meters) \$145. WANTED: Model 28 teletypes. New or used. Ham equipment in trade. COMING SOON OUR NEW TAMPA-ORLANDO STORE & OUR NEW MIAMI NORTH STORE.

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FOR SALE: COMPLETE mobile rig 12 v. Hallicrafters SR-160, 20, 40 and 80, with Hustler whips, SWR meter, mike, speaker only \$225. F. W. Lord K4PNU, 415 Savona Ave., Coral Gables, FL 33146 Phone 665-6723.

COLLINS, KWM-2, yes we have it with all the goodies, ARC, Miami, phone 374-4101.

FOR SALE: Brand new New-Tronics Husler 80 meter resonator RM-75 up to 400 watts SSB. \$9.00. Knight x-10 100 kc crystal calibrator \$10.00. New Dow Key coaxial relay DK60-2C 1000 watts, 110 v.a.c. in box \$10.00. Hammarlund HK-1B electronic keyer \$22. Poul Electronics EL-KEY Lever, like new \$9.00. Radiart Tele-Rotator indicator only TR-2 \$5.00. Seco Electronics, "S" Meter model 540 (transistorized) will work or any set. \$6.00. Eico RTMA resistance Box model 1100, 15 ohms to 10 Meg. in 36 steps \$9.50. Antenna Specialists, heavy duty chrome with spring antenna mount - like brand new yet \$6.00. Conset Super-Six, clean works fine \$10.00. Andy Clark W4IYT, 41 Lenape Drive, Miami Springs, Fla. 33166 Phone 888-3874.

SATURDAY, yes we are open until 5:30 p.m. for your convenience, ARC Miami, phone 374-4101.

FOR SALE: Hammarlund SP-600, 550 kc. to 54 mc. rack mount model, one of finest communications receivers ever built, good condition \$125.00. Jim Lauritsen K4FQP, 3204 W. De-bazan Ave., St. Petersburg Beach, Fla. 33706 Phone 360-8989.

QSL CARDS, Come in and sign up for your free QSL cards supplied through the courtesy of Florida Power and Light Co. Come to ARC, Miami, phone 374-4101.

(Continued on Page 15)



OPERATING IN A VAN-TYPE TRUCK, David Shalloway WA4JYB, using call WA4BAW/4, really put WA4PWF's new Swan 500 thru the mill. Dave, home on vacation from MIT, reports the Swan-500 worked like a dream. See F.D. scores elsewhere (SKIP photo).

NOTICE: Anyone having a phone call for the St. Petersburg area please call K4FQP on 3670 kc between 8 and 930 am EDT. Jim will daily on above frequency and time. If you are not sure of exact frequency he suggests you "sweep VFO a little and call CQ St. Pete."

CASH, you can't take it with you, and you can't beat our prices, ARC, Miami, phone 374-4101.

WANTED: Polycorn 6 & 2, reasonably priced. Nancy Harbert WA4EDL, 3600 - 63rd St., No. St. Petersburg, FL. 33710.

Ernie Tischer (K4KIC) invites you to come in and have a Coke or coffee on the house at ARC, Miami, phone 374-4101.

WANTED: NC-66. FOR SALE: Johnson low-pass filter, 1KW, 52 ohm-\$10.00. Vibroplex "presentation" bug with case \$21.00. Advance SPDT coax relay model CB1C2C 115 v.a.c. with DPDT zux. contacts \$6.00. Transpro labs cw monitor model TH-1 for cathode keyed pos. voltage \$5.00. Mike Raskin K4KUZ, 13315 N.E. 6th Ave., Apt. K, North Miami, FL 33161. Phone 754-9239.

MODEL 20A Central Electronics with 458 VFO ---- \$80.00, ARC, Miami, phone 374-4101.

FOR SALE: HW-12 with Heath power supply, mike and manual \$99.00. Presently on air. SKED? Master Mobile 80 thru 10 long John antenna with mount \$10.00. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166. Phone 888-3874.

COLLINS 75A-2 Receiver, clean \$150. Come to ARC, Miami, phone 374-4101.

WANTED: More station photos, "Hints and Kinks" (we pay \$5.00 for each one used) and FIELD DAY SCORES. Editor.

COLLINS 75A-4 Receiver late serial number clean \$375.00, ARC, Miami, phone 374-4101.

FOR SALE: KWM-2 ser 1361, \$650.00; 516-F-2 power supp. \$50.00; 75A2 revr w/calibrator \$135; 32V2 xmt x/Johnson LP filter \$75.00; ART-13 xmt \$10.00; magazines old and new. Mrs. T. A. Spunk (widow of W4AW) 2145 NE 62 Ct., Ft. Lauderdale, Fla. 33308.

COLLINS 310C-1 Exciter VFO, \$20., ARC special, Miami, phone 374-4101.

FOR SALE: Tektronix scope 514AD w/probe, tips, and manual, DC to 10 mhz, .01 sec/cm to .1 usec/cm. \$210.00 or SWAN or SBE or National SSB revr, Leslie Scott, WA4VAY, 10477-125th Ave., North, Largo, Fla. 33540.

COLLINS 75S-1 Receiver with Waters Q Multiplier, nice \$325.00, ARC, Miami, phone 374-4101.

FOR SALE: AMECO TX-62 6 and 2 meter transmitter and matching VFO model 621, 6-2-1-1/4. Both good condition, \$125.00 or best offer. Stan Stein, WA4HNV, 5320 SW 4th Street, Miami, Fla. 33134, Tel 445-5586.

DRAKE -- DC - 3 volt power supply, in the box -- \$100.00, ARC, Miami, phone 374-4101.

FOR SALE: Swan 350 new \$325.00; Swan 250 new \$275.00; Swan 117-XC power supply \$75.00; Swan SW-12 DC Supply, \$50.00; Swan D.C. Module for 117-XC supply \$50.00; Central Electronics 20-A with 458 VFO including 10 meters \$125.00; Home brew 400 watt linear with 4-400A (use with 20-A) \$65.00; SX-99 receiver \$45.00; HT-40 \$40.00; Knight R-55A revr, \$35.00; Collins 75A1 Serial #45, \$150.00; Ed Klar W4FAD, 6420 Central Ave., Tampa, Florida 33604. Phone 232-3101

LAFAYETTE -- HA-350 Receiver very clean \$69.50, ARC, Miami, phone 374-4101.

FOR SALE: Collins Noise Blanker in perfect condition, \$65.00; Mark mobile Heli-Whip, 10, 15, 20 meters, \$12.00. Hal Lewis, W4AV, 5333 Delano Ct., Cape Coral, Fla. 33904, Phone 813-542-3664.

INSTRUCTOGRAPH -- with 10 tapes -- \$50.00, ARC, Miami, phone 374-4101.

WANTED: 6 meter halo. Dick Blasco, WA4DHU, 6270 N.W. 38 Terrace, Miami Springs, Fla. 33166, Phone 887-1166.

CONAR -- Novice transmitter and receiver 2 units \$80.00, ARC, Miami, phone 374-4101.

WEEKEND IN KENTUCKY
Plan now for a family Labor Day vacation trip in conjunction with the Louisville "Kenvention" - Aug. 31. This big Midwest conference features top tech sessions; operating, DX meetings; All-day Ladies Program. Advance registration only \$2.50. And spend the rest of the weekend sightseeing in Louisville, visiting Kentucky's famous lakes and mountain areas. Travel information on request. Write: Kenvention, 648 S. 4th St., Louisville, Ky. 40202. (Paid Adv.)

NATIONAL -- NC-155 Receiver, real clean \$79.00, ARC, Miami, phone 374-4101.

FOR SALE: Motorola FM gear: t-53 dual freq. converted w/xals \$90.00; 80-D converted single freq. w/xals \$75.00; T-53 single freq. unconverted \$75.00; RME 2300 preselector \$20.00; 75-watt VFO controlled CW xmt w/power supp, \$25.00. Other items. Bob Roberts, 4322 N.W. 2nd St., Ft. Lauderdale, Florida 33313. Phone 583-1115 (Paid Adv.)

NATIONAL -- HRO-60 -- with only one coil, clean \$75.00, ARC, Miami, phone 374-4101.

FOR SALE: EICO model 221 VTVM, \$10.00; 3-National xmtg variables, 40-180 pf, 1/8 in spacing, make offer; new 813 w/socket; 4-65A w/socket; 4E27; 815; 832-A; LETTINC model 242 6-mtr xmt, \$25.00, gud condx. Earl Spencer K4FQU, 1413 Davis Dr., Ft. Myers, Fla. 33901, Phone 936-1202.

RME -- VHF - 152 Converter 2 - 6 - 10 meter! \$10.00, ARC, Miami, phone 374-4101.

FOR SALE: Hallicrafters SR-160 sevr w/AC supply, new condx, best offer over \$160.00. Bob Freitag W4FH, P.O. Box 762, Delray Beach, Fla. 33444, Phone 276-6571 (Paid Adv.)

HEATH -- HG-10 VFO like new \$32.00, ARC, Miami, phone 374-4101.

FOR SALE: Collins 75A4 serial 4903 w/matching spkr, mint condx, no scratches with 3 mechanical filters, .5,2.1,3.1 khz, \$375.00; KWS-1 with complete spare set tubes, late serial, needs work, make offer; Collins SC-101 speaker station control (includes 10 in spkr, 24 hr clock/timer, KW wattmeter, fone patch, antenna selector, rotator director, light, wiring duct and relay box, \$75.00; CE RF monitor scope MM-2, perfect \$50.00; D-104 mike w/PTT stand \$12.00; Will sell complete station with other odds and ends included such as AF gen, transistor checker, parts, etc. for \$700.00. Ken Stuber, WB4CQJ, 200 NW 40 Court, Pompano Bch, Fla. 33064, Tel. 942-7854. (Paid Adv.)

HEATH -- DX-60 Transmitter \$49.00, ARC, Miami, phone 374-4101.

FOR SALE: Heath Sixer \$30.00. 13 - 6 meter crystals and 7 others for different bands \$5.00. Hy-Gain 6 & 2 meter ground plane \$15.00. SWAN 400, 410 VFO, 117X supply like new \$375.00. B. E. Cole K4LZW, 901 Homewood Dr., Brandon, FL 33511. Phone 689-2400.

HEATH -- Pawnee - 2 meter transceiver \$125.00, ARC, Miami, phone 374-4101.

TRANSFORMERS REWOUND. Jess Price, W4CLJ, 411 Gunby Ave., Orlando, FL 32801.

JOHNSON Viking Valiant, clean \$125. ARC, Miami, phone 374-4101.

FOR SALE: Collins 75A3, product detector and mech filter, fine condx, Gonset GSB-100 SSB xmt 10/80 used very little, 813 Linear in 30 in. rack cabinet, all three items \$400.00, cannot ship. Also Antique Day-Fan 5 tube TRF revr with new 201As \$20; early National model "1-10" VHF TRF revr with pwr supply and coils, \$15.00; Precision VOM, \$15.00; many other items, moving shack and need room. Roy Scott, W4UHF, 8643 Twin Lake Blvd., Tampa, Fla. 33614, Tel. 932-6516. (Paid Adv.)

HALLICRAFTERS -- S-120 Receiver \$39.95, ARC, Miami, phone 374-4101.

FOR SALE: Heath HX-30 SSB transmitter with companion HA-20 linear, good condx, both for \$200.00 FOB; EICO 720 CW transmitter, 90 Watts, mint condx, \$60.00 FOB. Tom W4DPH, 1555 Valencia St., Clearwater, Florida.

HAMMARLUND -- HQ-180C Receiver \$275., ARC, Miami, phone 374-4101.

FOR SALE OR TRADE: SX-140 revr, 80 thru 6 meters with cal xtal and manual \$40.00; National 57B revr, 500 khz thru 54 mbs with elect bandspread and regulated supply with manual, old but good buy \$20.00; Two track tape recorder, Voice of Music with manual \$25.00; Drake DC3 power supp and 80 thru 10 Hustler mobile antenna with mobile mounts, \$100.00 or separate. WANTED: Drake RV3, Heath phone-patch, grid dip meter. Wm. G. Watson WB4HWZ, 2550 NE 209th Terrace, No Miami Beach, Florida 33160, Tel. 945-6487.

HAMMARLUND -- HQ-170 Receiver \$150., ARC, Miami, phone 374-4101.

FOR SALE: Hammarlund HQ-110C revr, \$125.00; Globe Hi-Bander 6 & 2 xmt \$65.00; National VFO Model 62, \$35.00; Astatic D-104 mike and stand \$15.00. All units mint condition. John E. Spiegel W4MEL, 1586 Moravia Ave., Holly Hill, Fla. 32017.

HARVEY WELLS -- TBS 50C Transmitter \$30.00, ARC, Miami, phone 374-4101.

FOR SALE: EICO Model 377 Audio Gen w/manual \$20.00; Model 710 grid dip meter, w/8 coils and manual, \$15.00; Panadaptor Model PCA2 455khz IF) \$25.00. Howard Stark, WA4MTH, 9231 Caribbean Blvd., Miami, Fla. 33157, Phone 238-6430.

HEATH -- DX-35 Transmitter \$19.00, ARC, Miami, phone 374-4101.

FOR SALE: NCX-5 in excellent condx, no PS, shipped in original carton w/manual for \$340.00; Panasonic CC-TV w/two monitors, case and acces, used only once, like new \$315.00 pp; Loudenboomer MK-II linear, gud condx, \$195.00 you ship. George Elmore WA4NYJ, 706-209 SW 16th Ave., Gainesville, Fla. 32601.

Ernie (K4KIC) invites his old friends to come in and see him at ARC Amateur Radio Center, Inc. is one of the oldest Collins Distributors in Florida, ARC, Miami, phone 374-4101.

NATIONAL -- NCL-2000 - New in the carton, now reduced to \$515.00, ARC, Miami, phone 374-4101.

TUBES, RCA SYLVANIA ETC, all new late dates, 50% off retail, no brag, just facts. ARC, Miami, phone 374-4101.

SWAN, yes we have the complete line, come to ARC, Miami, phone 374-4101.

Amateur Radio Center, Inc. wishes to announce that Ernest Tischer (K4KIC) is now associated with us -- and invites his friends and customers to come in to see him and have a Coke on the house. ARC, Miami, phone 374-4101.

ARC, stocks a full line of HY-GAIN, MOSELEY, HUSTLER, CUSH-CRAFT, antennas. ARC, Miami, phone 374-4101.

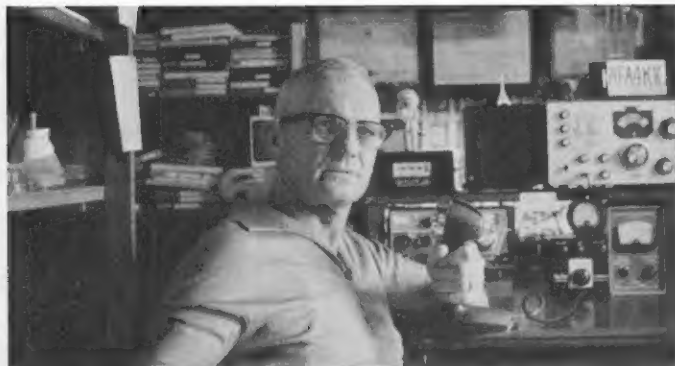
COLLINS, KWM-2 yes we have it with all the goodies, ARC, Miami, phone 374-4101.

SATURDAY, yes we are open until 5:30 p.m. for your convenience, ARC, Miami, 374-4101.

QSL CARDS, Come in and sign up for your free QSL cards supplied through the courtesy of Florida Power & Light Co. Come to ARC, Miami, phone 374-4101.

CASH, You can't take it with you, and you can't beat our prices, ARC, Miami phone 374-4101.

THIS SPACE IS
RESERVED FOR YOUR
HAMBAR
NEXT MONTH!!!



MEET ERNIE TISCHER, K4KIC of South Miami. Ernie is back at Amateur Radio Center and invites everyone to stop in for a eye-ball and a free coke. When not busy at ARC he can be found SSB/cw on most all bands.

Need Radio Technicians

By August F. Gabriel K4BZY

The two-way radio industry really began in 1946 and up to this date has grown by leaps and bounds. Originally police departments - public safety were the users of two-way radio systems, which consisted of AM transmitters and receivers, low band 25-50 MC, and then they moved into FM and later they moved from 25-50 MC to 150-174 MC, and within the last eight years, the UHF 450-470 MC, has been very active.

Along with the growth of the number of two-way mobiles in service, there has been created a shortage of qualified two-way radio technicians. Today almost every two-way radio service company is crying for experienced two-way radio technicians. Radio schools are not turning out this type of technician - they are only producing men with second or first class licenses but with no practical two-way radio experience while in school. Therefore, practical experience must be accumulated by actually working with the equipment in a two-way radio service company. The radio hams who do have experience in repairing and installing mobile equipment in some cases have more training or experience than a man fresh from school with a second class license and no two-way radio experience. Also, the ham may be displaced - by this I mean that he may be working in a particular job that he really is not interested in but does have a great interest in radio communication equipment so that he would be in a good po-

sition to consider employment with two-way radio service and installation companies.

It also has been proven that TV technicians make good two-way radio technicians because they do have experience in repairing TV sets that do have many circuits which require some knowledge of the use of test equipment.

In servicing two-way radio equipment, the important thing is to be familiar with the particular set, test equipment and the procedures in using the test equipment. Also, it is important the man be familiar with federal communications commission rules and regulations, some system design, such as base station installations, tower, antenna and coaxial line. This can only be gained through actual experience by working on the equipment.

One may not realize the opportunities in this field today, but in the next few years almost every new vehicle will have some form of communication in it, with citizens band or commercial two-way radio or even ham radio, and this form of communication will be just like the juke radio in every car today. There will be a definite need for technicians to install and maintain this equipment.

If you are interested in the two-way radio field, contact the two-way service company in your area or Gabriel Communications, 1329 N.E. 4th Ave., Ft. Lauderdale, Fla. 33304. Phone 305-524-8686, 73

'SKIP'-eroo's THE BRAIN DEPARTMENT

Unscramble each line of letters and insert them in order in the circled boxes and place in the boxes to the left of them, to find the answer to this month's puzzle. Correct solution in next word, mostly electronic, which months "Skip". This month's "SKIP"-eroo must be in the proper order to give the correct solution. Then submitted by "A1" W6MMG, unscramble the letters within

NO. 10 "WHY BE A HAM?"

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NEATNAN

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LOPIDE

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SOLUTION TO NO. 9

VENTING

COUPLING

WINDING

RESISTOR

"Driver Stage"

SCREEN

GANGED

Have you got a puzzle or a SKIP-eroo? If so, submit complete with solution to K4FQU, 1413 Davis Dr., Ft. Myers, Fla. 33901

SPEECH BLOTS

TRY AND. If you say to a friend, "Please try and help me," you do not expect him to do two things - to try and to help. Hence the correct phrasing is, "Please try to help me." Similarly, it is inaccurate to say, "I shall try and see you tomorrow," say, "I shall try to see you tomorrow."

MOST UNIQUE - It is incorrect to say, "I had a most unique experience." Unique means unequalled, unmatched; most is there superfluous. Just as one circle cannot be rounder than another, so nothing can be more unique than something else. To be correct, omit most and say instead, "I had a unique experience."